



Dkt. No.: LIFE-P002
Appl. No.: 10/76,706
Reply to Office Action of 10/31/2005

Amendments to the Claims

The listing of claims below will replace prior versions, and listing, of claims in the application:

Listing of Claims

- 5 1. (currently amended) A protonic formulation (PF) comprising:
- (a) a protein mixture (PM); and
- (b) an enzyme-PH adjustor formulation (EAF) wherein said EAF comprises [[two]] four or more of the following components selected from the group consisting of betaine HCl, pepsin,
- 10 trypsin, chymotrypsin, protease, bromolein, papaya, vitamin C, lemon powder, glutamic acid, and glycine, wherein the proportion of said PM per gram to said EAF per gram is between about 10-30 grams of said PM to about each 1 gram of said EAF.
2. (original) The formulation of Claim 1 wherein the proportion
- 15 of said PM per gram to said EAF per gram is about 25 grams said PM to about each 1 gram of said EAF.
3. (original) The formulation of Claim 1 wherein the percent by weight of said components of said EAF to a total weight of said EAF is

(a) for said betaine HCl between about 3.2% to about 4.8% of the total weight of said EAF,

(b) for said pepsin between about 1.2% to about 1.8% of the total weight of said EAF,

5 (c) for said trypsin between about 0.32% to about 0.48% of the total weight of said EAF,

(d) for said chymotrypsin between about 0.24% to about 0.36% of the total weight of said EAF,

10 (e) for said protease between about 0.32% to about 0.48% of the total weight of said EAF,

(f) for said bromolein between about 0.4% to about 0.6% of the total weight of said EAF,

(g) for said papaya between about 0.48% to about 0.72% of the total weight of said EAF,

15 (h) for said vitamin C between about 4.0% to about 6.0% of the total weight of said EAF,

(i) for said lemon powder between about 0.48% to about 0.72% of the total weight of said EAF is

20 (j) for said glutamic acid between about 0.16% to about 0.24% of the total weight of said EAF, and

(k) for said glycine between about 69.12% to about 99.0% of the total weight of said EAF.

4. (original) The formulation of Claim 1 wherein the percent by weight of said components of said EAF to a total weight of said EAF,

(a) for said betaine HCl about 4.0% of the total weight of said EAF,

(b) for said pepsin about 1.5% of the total weight of said EAF,

(c) for said trypsin about 0.4% of the total weight of said EAF,

(d) for chymotrypsin about 0.3% of the total weight of said EAF,

(e) for said protease about 0.4% of the total weight of said EAF,

(f) for said bromolein about 0.5% of the total weight of said EAF,

(g) for said papaya about 0.6% of the total weight of said EAF,

(h) for said vitamin C about 5.0% of the total weight of said EAF,

(i) for said lemon powder about 0.6% of the total weight of said EAF,

(j) for said glutamic acid about 0.2% of the total weight of said EAF, and

(k) for said glycine about 86.4% of the total weight of said EAF.

5. (original) The formulation of Claim 1 further comprising a carrier for said PF.

5 6. (original) The formulation of Claim 5 wherein the proportion of said carrier by milliliter to said PF by gram is between about 120-240 milliliters of said carrier to about each 11-31 grams of said PF.

10 7. (original) The formulation of Claim 5 wherein the proportion of said carrier by milliliter to said PF by gram is about 180 milliliters of said carrier to about each 26 grams of said PF.

8. (original) The formulation of Claim 5 wherein said carrier is a liquid substance.

15 9. (original) The formulation of Claim 5 further comprising a stabilizer wherein the proportion of said stabilizer by milliliter to said PF by gram is between about 2-10 milliliters of said stabilizer to between about each 11-31 grams of said PF.

10. (original) The formulation of Claim 9 wherein the proportion of said said stabilizer by milliliter to said PF by gram is about 7.5 milliliters of said stabilizer to about each 26 grams of said PF.

5 11. (original) The formulation of Claim 1 wherein said PM comprises two or more of the following components selected from the group consisting of whey protein isolate, instant whey concentrate, soy protein isolate, pea protein, rice protein, maltodextrin, steviocide, french vanilla flavor, peach mango
10 flavor, xanthan gum, lecithin, and tricalcium phosphate.

12. (original) The formulation of Claim 11 wherein the percent by weight of said components of said PM to a total weight of said PM is

(a) for said whey protein isolate between about 24.0% to
15 about 36.0% of the total weight of said PM,

(b) for said instant whey concentrate between about 12.0% to about 18.0% of the total weight of said PM,

(c) for said soy protein isolate between about 20.0% to about 30.0% of the total weight of said PM,

20 (d) for said pea protein between about 4.0% to about 6.0% of the total weight of said PM,

(e) for said rice protein between about 4.0% to about 6.0% of the total weight of said PM,

(f) for said maltodextrin between about 12.5% to about 19.0% of the total weight of said PM,

5 (g) for said steviolide between about 0.24% to about 0.36% of the total weight of said PM,

(h) for said french vanilla flavor between about 1.4% to about 2.1% of the total weight of said PM,

(i) for said peach mango flavor between about 0.4% to about 10 0.6% of the total weight of said PM,

(j) for said xanthan gum between about 0.4% to about 0.6% of the total weight of said PM,

(k) for said lecithin between about 0.4% to about 0.6% of the total weight of said PM, and

15 (l) for said tricalcium phosphate between about 0.6% to about 0.9% of the total weight of said PM.

13. (original) The formulation of Claim 11 wherein the percent by weight of said components of said PM to a total weight of said PM is

20 (a) for said whey protein isolate about 30.0% of the total weight of said PM,

(b) for said instant whey concentrate about 15.0% of the total weight of said PM,

(c) for said soy protein isolate about 25.0% of the total weight of said PM,

5 (d) for said pea protein about 5.0% of the total weight of said PM,

(e) for said rice protein about 5.0% of the total weight of said PM,

10 (f) for said maltodextrin about 15.7% of the total weight of said PM,

(g) for said steviolide about 0.3% of the total weight of said PM,

(h) for said french vanilla flavor about 1.75% of the total weight of said PM,

15 (i) for said peach mango flavor about 0.5% of the total weight of said PM,

(j) for said xanthan gum about 0.5% of the total weight of said PM,

20 (k) for said lecithin about 0.5% of the total weight of said PM, and

(l) for said tricalcium phosphate about 0.75% of the total weight of said PM.

14. (currently amended) A protonic formulation (PF) comprising:

(a) a protein mixture (PM), wherein said PM comprises [[two]]
four or more of the following components selected from the group
consisting of whey protein isolate, instant whey concentrate, soy
5 protein isolate, pea protein, rice protein, maltodextrin,
steviolide, french vanilla flavor, peach mango flavor, xanthan
gum, lecithin, and tricalcium phosphate; and

(b) an enzyme-PH adjustor formulation (EAF), wherein the
proportion of said PM per gram to said EAF per gram is between
10 about 10-30 grams of said PM to about each 1 gram of said EAF.

15. (original) The formulation of Claim 14 wherein the percent by
weight of said components of said PM to a total weight of said PM
is

(a) for said whey protein isolate between about 24.0% to
15 about 36.0% of the total weight of said PM,

(b) for said instant whey concentrate between about 12.0% to
about 18.0% of the total weight of said PM,

(c) for said soy protein isolate between about 20.0% to about
30.0% of the total weight of said PM,

20 (d) for said pea protein between about 4.0% to about 6.0% of
the total weight of said PM,

(e) for said rice protein between about 4.0% to about 6.0% of the total weight of said PM,

(f) for said maltodextrin between about 12.5% to about 19.0% of the total weight of said PM,

5 (g) for said steviolide between about 0.24% to about 0.36% of the total weight of said PM,

(h) for said french vanilla flavor between about 1.4% to about 2.1% of the total weight of said PM,

(i) for said peach mango flavor between about 0.4% to about 10 0.6% of the total weight of said PM,

(j) for said xanthan gum between about 0.4% to about 0.6% of the total weight of said PM,

(k) for said lecithin between about 0.4% to about 0.6% of the total weight of said PM, and

15 (l) for said tricalcium phosphate between about 0.6% to about 0.9% of the total weight of said PM.

16. (original) The formulation of Claim 14 wherein the percent by weight of said components of said PM to a total weight of said PM is

20 (a) for said whey protein isolate about 30.0% of the total weight of said PM,

(b) for said instant whey concentrate about 15.0% of the total weight of said PM,

(c) for said soy protein isolate about 25.0% of the total weight of said PM,

5 (d) for said pea protein about 5.0% of the total weight of said PM,

(e) for said rice protein about 5.0% of the total weight of said PM,

10 (f) for said maltodextrin about 15.7% of the total weight of said PM,

(g) for said steviolide about 0.3% of the total weight of said PM,

(h) for said french vanilla flavor about 1.75% of the total weight of said PM,

15 (i) for said peach mango flavor about 0.5% of the total weight of said PM,

(j) for said xanthan gum about 0.5% of the total weight of said PM,

20 (k) for said lecithin about 0.5% of the total weight of said PM, and

(l) for said tricalcium phosphate about 0.75% of the total weight of said PM.

17. (original) The formulation of Claim 14 wherein the proportion of said PM per gram to said EAF per gram is about 25 grams said PM to about each 1 gram of said EAF.

18. (original) The formulation of Claim 14 further comprising a carrier for said PF.

19. (original) The formulation of Claim 18 wherein the proportion of said said carrier by milliliter to said PF by gram is between about 120-240 milliliters of said carrier to about each 11-31 grams of said PF.

20. (original) The formulation of Claim 18 wherein the proportion of said carrier by milliliter to said PF by gram is about 180 milliliters of said carrier to about each 26 grams of said PF.

21. (original) The formulation of Claim 18 wherein said carrier is a liquid substance.

22. (original) The formulation of Claim 18 further comprising a stabilizer wherein the proportion of said stabilizer by milliliter to said PF by gram is between about 2-10 milliliters of said stabilizer to between about each 11-31 grams of said PF.

23. (original) The formulation of Claim 22 wherein the proportion of said stabilizer by milliliter to said PF by gram is about 7.5 milliliters of said stabilizer to about each 26 grams of said PF.

24. (original) The formulation of Claim 14 wherein said EAF comprises two or more of the following components selected from the group consisting of betaine HCl, pepsin, trypsin, chymotrypsin, protease, bromolein, papaya, vitamin C, lemon powder, glutamic acid, and glycine.

25. (original) The formulation of Claim 24 wherein the percent by weight of said components of said EAF to a total weight of said EAF,

(a) for said betaine HCl is between about 3.2% to about 4.8% of the total weight of said EAF,

(b) for said pepsin is between about 1.2% to about 1.8% of the total weight of said EAF,

(c) for said trypsin is between about 0.32% to about 0.48% of the total weight of said EAF,

(d) for chymotrypsin is between about 0.24% to about 0.36% of the total weight of said EAF,

(e) for said protease is between about 0.32% to about 0.48% of the total weight of said EAF,

(f) for said bromolein is between about 0.4% to about 0.6% of the total weight of said EAF,

(g) for said papaya is between about 0.48% to about 0.72% of the total weight of said EAF,

5 (h) for said vitamin C is between about 4.0% to about 6.0% of the total weight of said EAF,

(i) for said lemon powder is between about 0.48% to about 0.72% of the total weight of said EAF,

10 (j) for said glutamic acid is between about 0.16% to about 0.24% of the total weight of said EAF, and

(k) for said glycine is between about 69.12% to about 99.0% of the total weight of said EAF.

26. (original) The formulation of Claim 24 wherein the percent by weight of said components of said EAF to a total weight of said
15 EAF,

(a) for said betaine HCl is about 4.0% of the total weight of said EAF,

(b) for said pepsin is about 1.5% of the total weight of said EAF,

20 (c) for said trypsin is about 0.4% of the total weight of said EAF,

(d) for chymotrypsin is about 0.3% of the total weight of
said EAF,

(e) for said protease is about 0.4% of the total weight of
said EAF,

5 (f) for said bromolein is about 0.5% of the total weight of
said EAF,

(g) for said papaya is about 0.6% of the total weight of said
EAF,

10 (h) for said vitamin C is about 5.0% of the total weight of
said EAF,

(i) for said lemon powder is about 0.6% of the total weight
of said EAF,

(j) for said glutamic acid is about 0.2% of the total weight
of said EAF, and

15 (k) for said glycine is about 86.4% of the total weight of
said EAF.